Special Issue

Advances in Marine Biotechnology: Exploitation of Halophyte Plants

Message from the Guest Editor

Halophyte (salt-tolerant) plants are a specialized group of plants that can thrive in a wide range of saline environments where glycophytes (non-salt tolerant) cannot. Highly resistant to abiotic constraints like salinity, drought, extreme temperatures, and UV radiation, they have evolved highly specialized morphological and physiological adaptations in response to the challenges of living in such harsh conditions, including the synthesis and accumulation of highly bioactive metabolites, such as phenolic compounds, alkaloids, or sterols. These molecules display relevant biological properties, namely antioxidant, anti-inflammatory, antimicrobial, etc., granting halophytes with potential biotechnological applications for the food, pharmaceutical, and cosmetic industries. This Special Issue, "Advances in Marine Biotechnology: Exploitation of Halophyte Plants", will provide researchers with an opportunity to publish studies on the exploitation of halophyte plants considering their vast potential biotechnological applications in all fields of science. Submissions from scientists and academics from across the world are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/81774

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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